

Please amend the application as follows:

In the Claims:

1. (original) A gun barrel with a breech end and an open end and a bore disposed between the breech end and the open end, comprising:
 - (a) an outer support layer on an outside surface extending from the breech end to the open end;
 - (b) an inner support layer lining the bore of the gun barrel and extending from the breech end to the open end, and
 - (c) concrete disposed between the outer support layer and inner support layer, said concrete having a compressive strength of at least 10 megapascals.
2. (original) The gun barrel of claim 1 wherein at least one of the outer support layer and the inner support layer is comprised of metal.
3. (original) The gun barrel of claim 1 wherein at least one of the outer support layer and the inner support layer is comprised of steel.
4. (original) The gun barrel of claim 2 wherein the inner support layer and the outer support layer are comprised of metal.
5. (original) The gun barrel of claim 3 wherein the inner support layer and the outer support layer are comprised of steel.
6. (original) The gun barrel of claim 1 wherein at least one of the outer support layer and the inner support layer is comprised of cardboard or a polymeric material.
7. (original) The gun barrel of claim 2 wherein at least one of the outer support layer and the inner support layer is comprised of cardboard or a polymeric material.

8. (original) The gun barrel of claim 3 wherein at least one of the outer support layer and the inner support layer is comprised of cardboard or a polymeric material.
9. (original) The gun barrel of claim 1, wherein the concrete has a compressive strength that is less than the than the compressive strength of one of (a) the inner support layer and (b) the outer support layer.
10. (original) The gun barrel of claim 2, wherein the concrete has a compressive strength that is less than the than the compressive strength of one of (a) the inner support layer and (b) the outer support layer.
11. (original) The gun barrel of claim 3, wherein the concrete has a compressive strength that is less than the than the compressive strength of one of (a) the inner support layer and (b) the outer support layer.
12. (original) The gun barrel of claim 6, wherein the concrete has a compressive strength that is greater than the compressive strength of one of (a) the inner support layer and (b) the outer support layer.
13. (original) The gun barrel of claim 7, wherein the concrete has a compressive strength that is greater than the compressive strength of one of (a) the inner support layer and (b) the outer support layer.
14. (original) The gun barrel of claim 8, wherein the concrete has a compressive strength that is greater than the compressive strength of one of (a) the inner support layer and (b) the outer support layer.
15. (original) The gun barrel of claim 1 additionally comprising a reinforcing element disposed in the concrete.
16. (original) The gun barrel of claim 2 additionally comprising a reinforcing element disposed in the concrete.
17. (original) The gun barrel of claim 3 additionally comprising a reinforcing element disposed in the concrete.

18. (original) The gun barrel of claim 1 wherein the breech end is closed.
19. (original) The gun barrel of claim 1 wherein the breech end is closeable.
20. (original) The gun barrel of claim 19 wherein the breech end is closeable with a breech plug.
21. (original) The gun barrel of claim 1 wherein the bore is larger in diameter at the breech end than at the open end.
22. (original) The gun barrel of claim 2 wherein the bore is larger in diameter at the breech end than at the open end.
23. (original) The gun barrel of claim 3 wherein the bore is larger in diameter at the breech end than at the open end.
24. (original) A gun barrel with a breech end and an open end and a bore disposed between the breech end and the open end, comprising:
 - (a) an outer support layer comprised of steel extending from the breech end to the open end;
 - (b) an inner support layer comprised of steel lining the bore of the gun barrel and extending from the breech end to the open end;
 - (c) concrete disposed between the outer support layer and the inner support layer.
25. (original) The gun barrel of claim 22 additionally comprising a reinforcing element disposed in the concrete.
26. (currently amended) A method of launching a projectile, comprising:
 - (a) providing a gun barrel of claim 1 ~~that is comprised of concrete disposed between an inner support layer and an outer support layer~~, and
 - (b) firing a projectile from the gun barrel.

27. (original) The method of claim 26, wherein the projectile is selected from the group consisting of: rockets, rockets with satellite payloads, artillery, nuclear interception devices, and devices for fire-fighting applications.